



01-04-02

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Please type a plus sign (+) inside this box → <input style="width: 20px; height: 15px; border: 1px solid black;" type="text" value="+"/>		Approved for use through 10/31/2002. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.																		
UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Attorney Docket No.</td> <td colspan="3">8071-4 (OPP010597US)</td> </tr> <tr> <td>First Inventor</td> <td colspan="3">Jang-Kun SONG</td> </tr> <tr> <td>Title</td> <td colspan="3">VERTICALLY ALIGNED MODE LIQUID ...</td> </tr> <tr> <td colspan="2">Express Mail Label No.</td> <td colspan="2">EL922712152US</td> </tr> </table>			Attorney Docket No.	8071-4 (OPP010597US)			First Inventor	Jang-Kun SONG			Title	VERTICALLY ALIGNED MODE LIQUID ...			Express Mail Label No.		EL922712152US	
Attorney Docket No.	8071-4 (OPP010597US)																			
First Inventor	Jang-Kun SONG																			
Title	VERTICALLY ALIGNED MODE LIQUID ...																			
Express Mail Label No.		EL922712152US																		
APPLICATION ELEMENTS <small>See MPEP chapter 600 concerning utility patent application contents.</small>		ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231																		
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <small>(Submit an original and a duplicate for fee processing)</small> 2. <input type="checkbox"/> Applicant claims small entity status. <small>See 37 CFR 1.27.</small> 3. <input checked="" type="checkbox"/> Specification [Total Pages 31] <small>(preferred arrangement set forth below)</small> <ul style="list-style-type: none"> - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 14]		7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)																		
5. Oath or Declaration [Total Pages <input style="width: 20px; height: 15px; border: 1px solid black;" type="text"/>]		8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)																		
a. <input type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d)) <small>(for continuation/divisional with Box 18 completed)</small> i. <input type="checkbox"/> DELETION OF INVENTOR(S) <small>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</small>		a. <input type="checkbox"/> Computer Readable Form (CRF)																		
6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76		b. Specification Sequence Listing on: <ul style="list-style-type: none"> i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies																		
ACCOMPANYING APPLICATION PARTS																				
9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))																				
10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney (when there is an assignee)																				
11. <input type="checkbox"/> English Translation Document (if applicable)																				
12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations																				
13. <input type="checkbox"/> Preliminary Amendment																				
14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)																				
15. <input checked="" type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)																				
16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.																				
17. <input type="checkbox"/> Other: _____																				
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:																				
<input type="checkbox"/> Continuation		<input type="checkbox"/> Divisional		<input type="checkbox"/> Continuation-in-part (CIP)																
Prior application information.		of prior application No.: _____ Group Art Unit: _____																		
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.																				
19. CORRESPONDENCE ADDRESS																				
<input type="checkbox"/> Customer Number or Bar Code Label		<small>(Insert Customer No. or Attach bar code label here)</small>		or <input type="checkbox"/> Correspondence address below																
Name: F. CHAU & ASSOCIATES, LLP Address: 1900 Hempstead Turnpike, Suite 501 City: East Meadow State: New York Zip Code: 11554 Country: U.S.A Telephone: (516) 357-0091 Fax: (516) 357-0092																				
Name (Print/Type)		Frank Chau		Registration No. (Attorney/Agent)	34,136															
Signature				Date	12/28/01															

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 0)

Complete if Known	
Application Number	
Filing Date	December 28, 2001
First Named Inventor	Jang-Kun SONG
Examiner Name	
Group Art Unit	
Attorney Docket No.	8071-4 (OPP010597US)

METHOD OF PAYMENT (check one)

1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number
Deposit Account Name F.Chau & Associates, LLP

Charge Any Additional Fee Required
Under 37 CFR 1.16 and 1.17

Applicant claims small entity status
See 37 CFR 1.27

2. Payment Enclosed:

Check Credit card Money Order Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
101	710	201 355 Utility filing fee	<input type="text"/> \$740.00
106	320	206 160 Design filing fee	<input type="text"/>
107	490	207 245 Plant filing fee	<input type="text"/>
108	710	208 355 Reissue filing fee	<input type="text"/>
114	150	214 75 Provisional filing fee	<input type="text"/>

SUBTOTAL (1) (\$ 740.00)

2. EXTRA CLAIM FEES

Total Claims	11	-20** =	0	X	18	=	\$0
Independent Claims	3	- 3** =	0	X	\$84	=	\$0
Multiple Dependent					\$280	=	0

**or number previously paid, if greater; For Reissues, see below

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description
103	18	203 9 Claims in excess of 20
102	80	202 40 Independent claims in excess of 3
104	270	204 135 Multiple dependent claim, if not paid
109	80	209 40 ** Reissue independent claims over original patent
110	18	210 9 ** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 0.00)

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105	130	205 65 Surcharge - late filing fee or oath	<input type="text"/>
127	50	227 25 Surcharge - late provisional filing fee or cover sheet	<input type="text"/>
139	130	139 130 Non-English specification	<input type="text"/>
147	2,520	147 2,520 For filing a request for ex parte reexamination	<input type="text"/>
112	920*	112 920* Requesting publication of SIR prior to Examiner action	<input type="text"/>
113	1,840*	113 1,840* Requesting publication of SIR after Examiner action	<input type="text"/>
115	110	215 55 Extension for reply within first month	<input type="text"/>
116	390	216 195 Extension for reply within second month	<input type="text"/>
117	890	217 445 Extension for reply within third month	<input type="text"/>
118	1,390	218 695 Extension for reply within fourth month	<input type="text"/>
128	1,890	228 945 Extension for reply within fifth month	<input type="text"/>
119	310	219 155 Notice of Appeal	<input type="text"/>
120	310	220 155 Filing a brief in support of an appeal	<input type="text"/>
121	270	221 135 Request for oral hearing	<input type="text"/>
138	1,510	138 1,510 Petition to institute a public use proceeding	<input type="text"/>
140	110	240 55 Petition to revive - unavoidable	<input type="text"/>
141	1,240	241 620 Petition to revive - unintentional	<input type="text"/>
142	1,240	242 620 Utility issue fee (or reissue)	<input type="text"/>
143	440	243 220 Design issue fee	<input type="text"/>
144	600	244 300 Plant issue fee	<input type="text"/>
122	130	122 130 Petitions to the Commissioner	<input type="text"/>
123	50	123 50 Processing fee under 37 CFR 1.17(q)	<input type="text"/>
126	240	126 240 Submission of Information Disclosure Stmt	<input type="text"/>
581	40	581 40 Recording each patent assignment per property (times number of properties)	<input type="text"/>
146	710	246 355 Filing a submission after final rejection (37 CFR § 1.129(a))	<input type="text"/>
149	710	249 355 For each additional invention to be examined (37 CFR § 1.129(b))	<input type="text"/>
179	710	279 355 Request for Continued Examination (RCE)	<input type="text"/>
169	900	169 900 Request for expedited examination of a design application	<input type="text"/>

Other fee (specify) _____

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0.00)

Complete if applicable

SUBMITTED BY	
Name (Print/Type)	Frank Chau
Registration No. (Attorney/Agent)	34,136
Telephone	(516) 357-0091
Signature	
Date	12/28/01

PATENT APPLICATION

Atty. Docket No. 8071-4 (OPP010597US)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assistant Commissioner for Patents
Washington, D.C. 20231

UTILITY APPLICATION FEE TRANSMITTAL

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s) : Jang-Kun SONG, Kyeong-Hyeon KIM, Jae-Jin LYU,
Seung-Hee LEE, Seung-Beom PARK, Yong-Woo CHOI

For: VERTICALLY ALIGNED MODE LIQUID CRYSTAL DISPLAY
WITH DIFFERENTIATED B CELL GAP

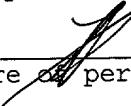
Enclosed are:

[X] 25 page(s) of specification
[X] 1 page(s) of Abstract
[X] 5 page(s) of claims
[X] 14 sheets of drawings [X] formal [] informal
[] _____ page(s) of Declaration and Power of Attorney
[] An Assignment of the invention to:

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date December 28, 2001 in an envelope as "Express Mail Post Office to Addressee" Mail Label Number EL922712152US addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

Frank Chau
(Type or print name of person mailing paper)


(Signature of person mailing paper)

This application claims the benefit under 35 U.S.C. §119(e) of U.S. Provisional Application(s) No(s) :

APPLICATION NO(S) :

FILING DATE

____/_____

____/_____

Certified copy of application

Country

Appln. No.

Filed

Korea

2001-42123

July 12, 2001

from which priority under Title 35 United States Code, § 119 is claimed

is enclosed.

will follow.

CALCULATION OF UTILITY APPLICATION FEE

<u>For</u>	<u>Number Filed</u>	<u>Number Extra</u>	<u>Rate</u>	<u>Basic Fee</u>
Total				\$740.00
Claims*	11	-20 = 0	x \$ 18.00	\$
Independent Claims	3	- 3 = 0	x \$ 84.00	\$
Multiple	[] yes	Add'l. Fee	\$280.00	\$
Dependent Claims	[] no	Add'l. Fee	None	= \$
				TOTAL \$740.00

Verified Statement of "Small Entity" Status Under 37 C.F.R. § 1.27. Reduced fees under 37 C.F.R. § 1.9(f) (50% of total) paid herewith \$ _____.

*Includes all independent and single dependent claims and all claims referred to in multiple claims. See 37 C.F.R. § 1.75(c).

A check in the amount of \$_____ is enclosed for recording the attached Assignment.

A check in the amount of \$_____ to cover the filing fee is attached.

Charge fee to Deposit Account No. _____. Order No. _____. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. § 1.16 and 1.17, at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account No. _____. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. _____ therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

Date: 12/28/01



SIGNATURE OF ATTORNEY
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Reg. No. 34,136

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East Meadow, New York 11554
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FC/pg